

INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 2004/050189

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: D21H 23/56, B05C 1/08, B05C 11/02, D21H 25/12
 According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: D21H, B05C, B29C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 0058555 A1 (VALMET CORPORATION), 5 October 2000 (05.10.2000), page 4, line 16 - page 5, line 2; page 6, line 1 - line 9 --	1-7
A	WO 03078077 A1 (HORST SPRENGER GMBH), 25 Sept 2003 (25.09.2003), page 6, line 1 - line 14 --	1-7
A	WO 0063494 A1 (VALMET CORPORATION), 26 October 2000 (26.10.2000), page 4, line 24 - page 5, line 2; page 6, line 25 - page 7, line 5, figure 3A, abstract --	1-7

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent but published on or after the international filing date	"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family

Date of the actual completion of the international search

18 April 2005

Date of mailing of the international search report

21-04-2005

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5599392 A (LIANG, SHIHUA ET AL), 4 February 1997 (04.02.1997), column 3, line 10 - line 31, abstract --	1-7
A	US 6019846 A (GRAF, EDWIN X. ET AL), 1 February 2000 (01.02.2000), column 3, line 20 - column 4, line 4, abstract -- -----	1-7

INTERNATIONAL SEARCH REPORT

Information on patent family members

01/04/2005

International application No.

PCT/FI 2004/050189

WO	0058555	A1	05/10/2000	AU	3561300 A	16/10/2000
				DE	10084391 T	03/07/2003
				FI	106139 B	00/00/0000
				FI	990684 A	27/09/2000
				SE	0103195 A	27/11/2001
-----	-----	-----	-----	-----	-----	-----
WO	03078077	A1	25/09/2003	AU	2003223848 A	00/00/0000
				DE	10390987 D	00/00/0000
				EP	1485209 A	15/12/2004
				US	20050039676 A	24/02/2005
-----	-----	-----	-----	-----	-----	-----
WO	0063494	A1	26/10/2000	AU	3969300 A	02/11/2000
				FI	111477 B	00/00/0000
				FI	990885 A	21/10/2000
-----	-----	-----	-----	-----	-----	-----
US	5599392	A	04/02/1997	BR	9609749 A	30/03/1999
				CA	2227501 A,C	06/02/1997
				DE	840825 T	12/11/1998
				DE	69603969 D,T	09/03/2000
				EP	0840825 A,B	13/05/1998
				SE	0840825 T3	
				FI	108803 B	00/00/0000
				FI	980064 A	14/01/1998
				JP	10511039 T	27/10/1998
				WO	9704172 A	06/02/1997
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US	6019846	A	01/02/2000	NONE		
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